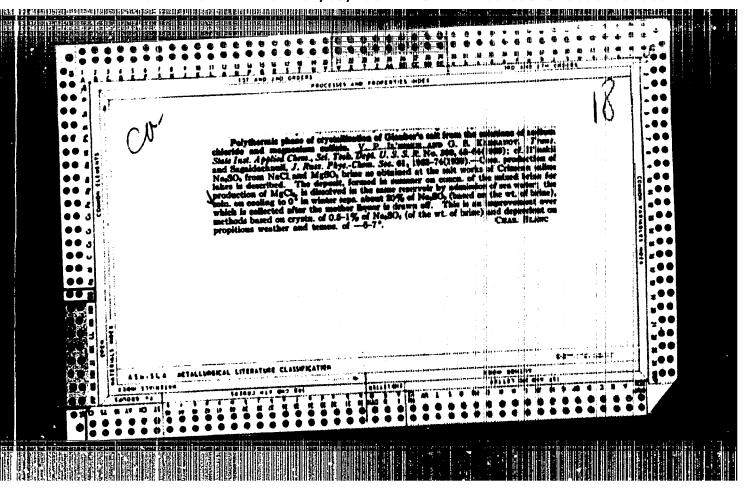
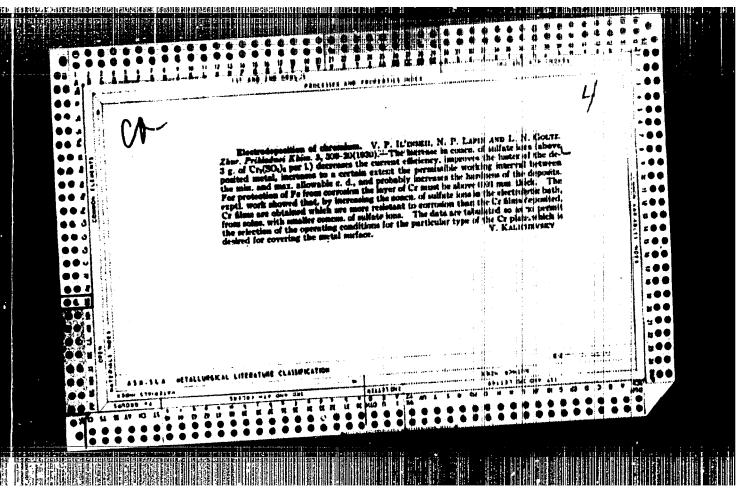
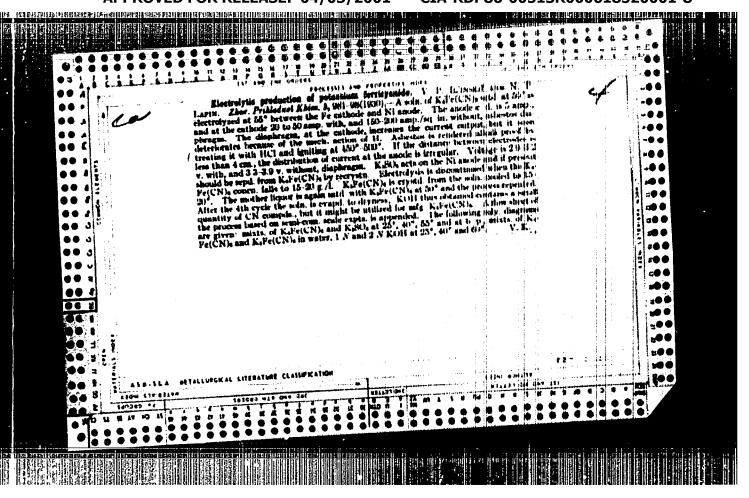


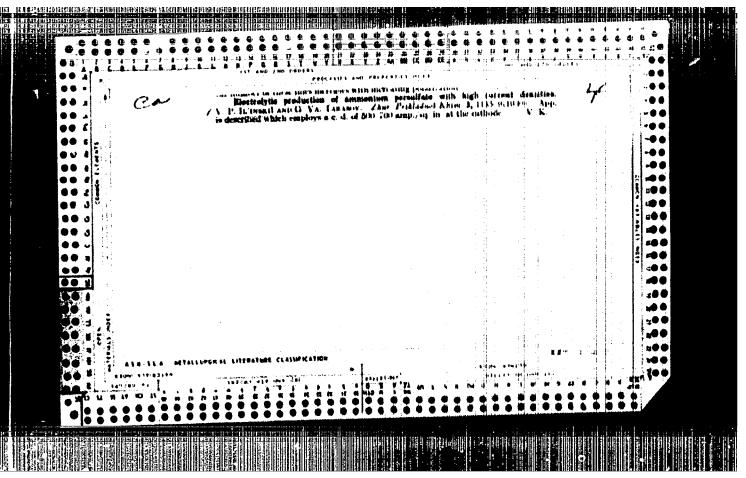
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8



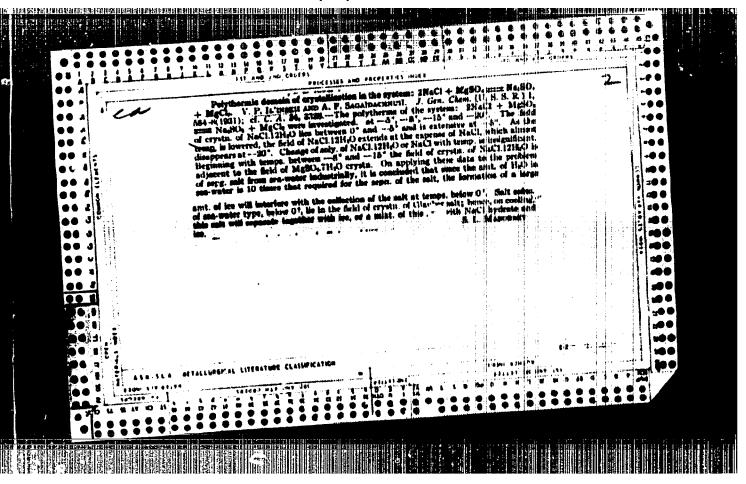


"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

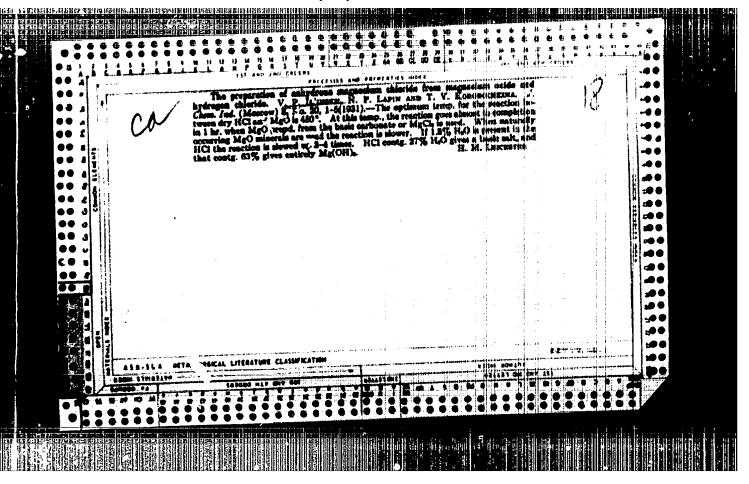




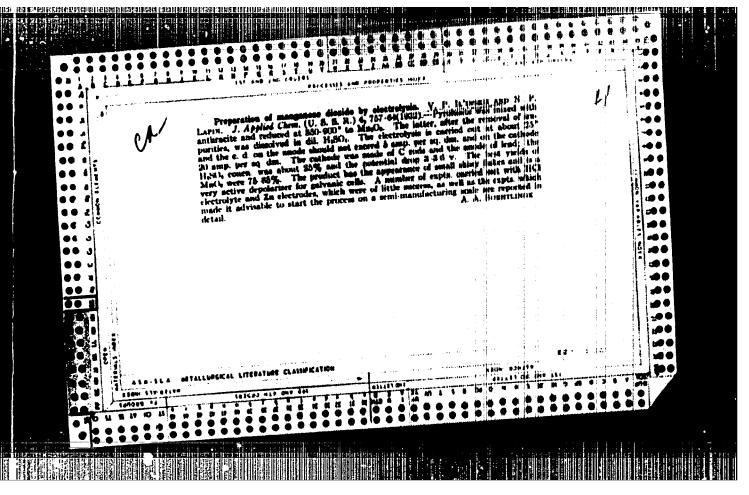
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

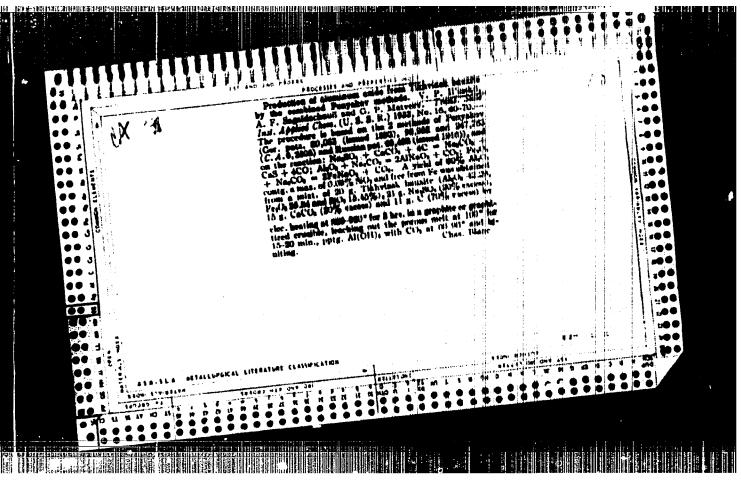


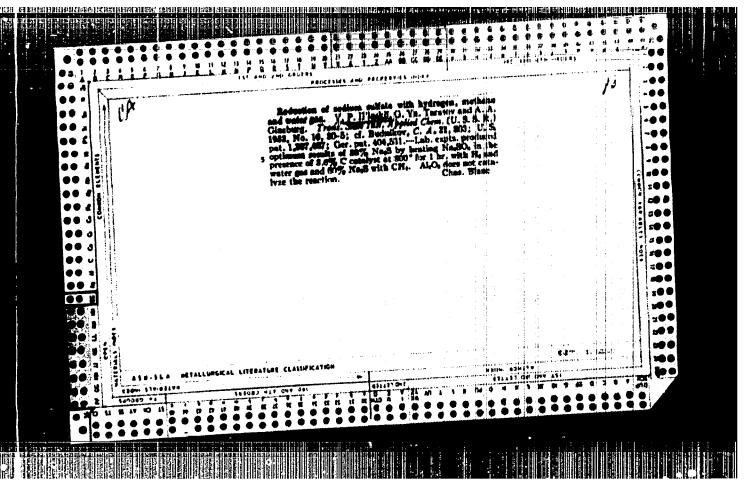
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8



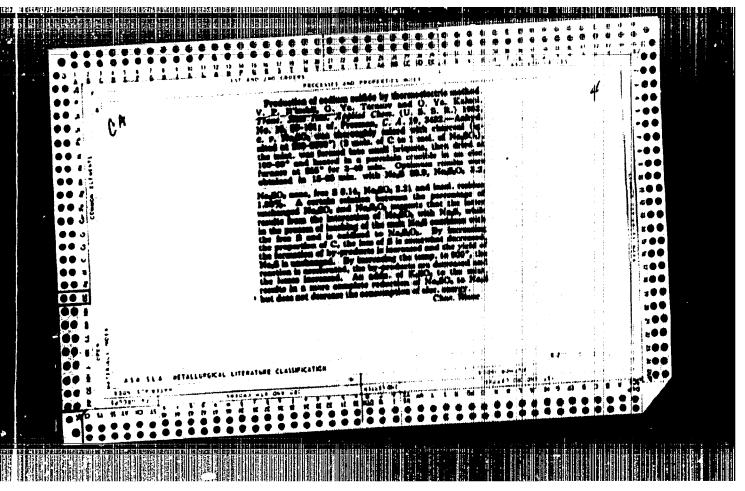
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8



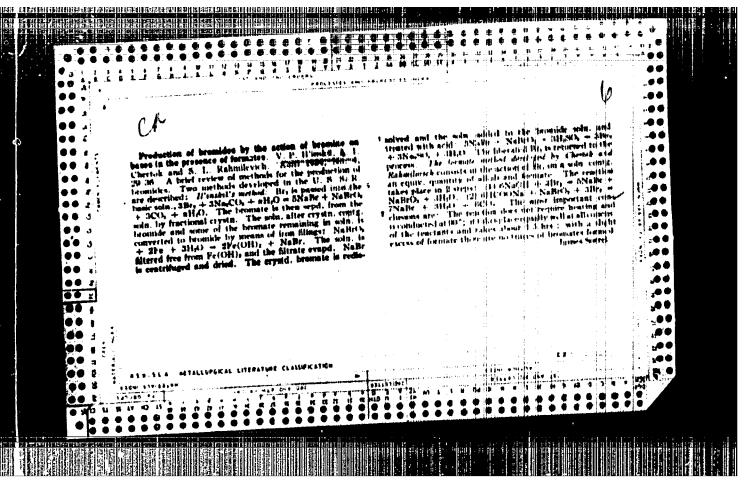


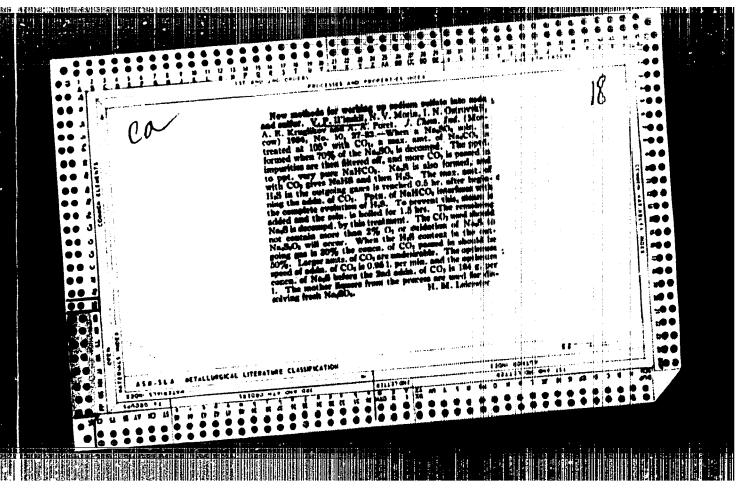


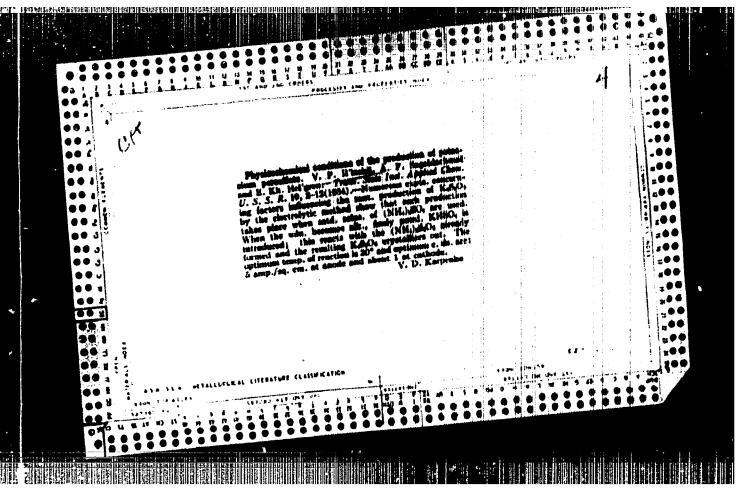
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8



"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

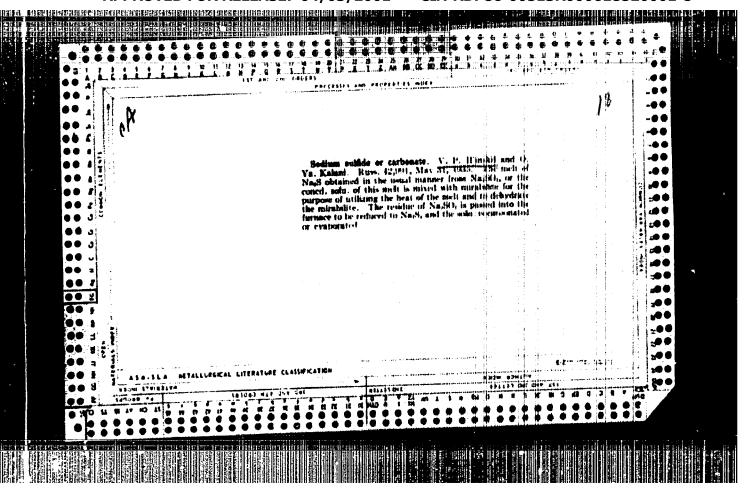




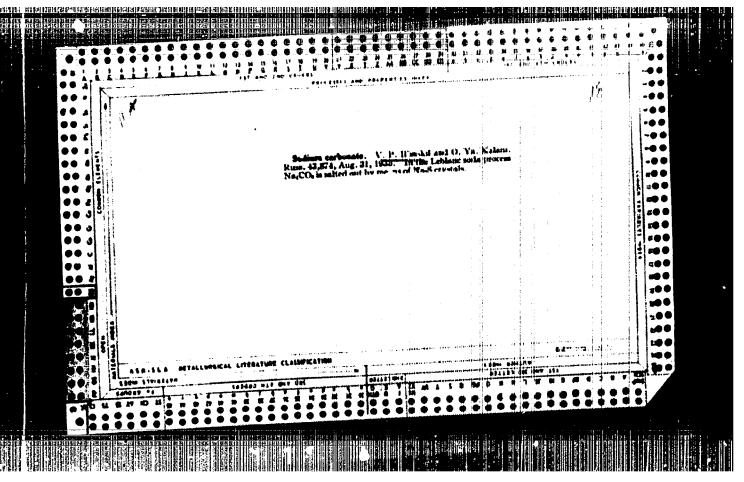


APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8"

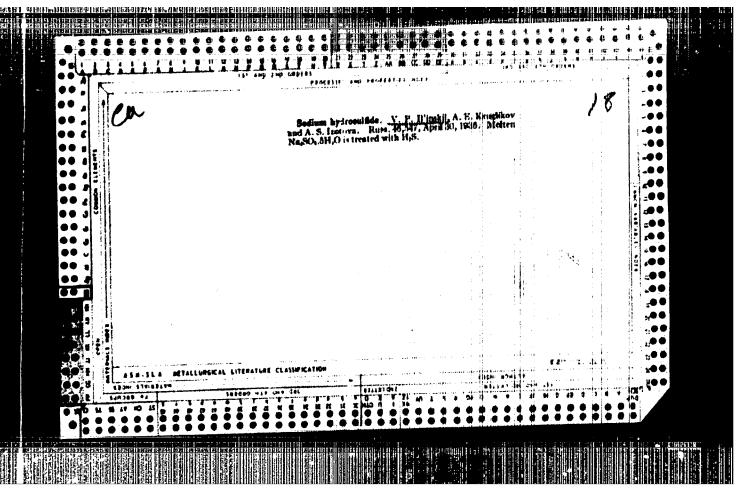
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8



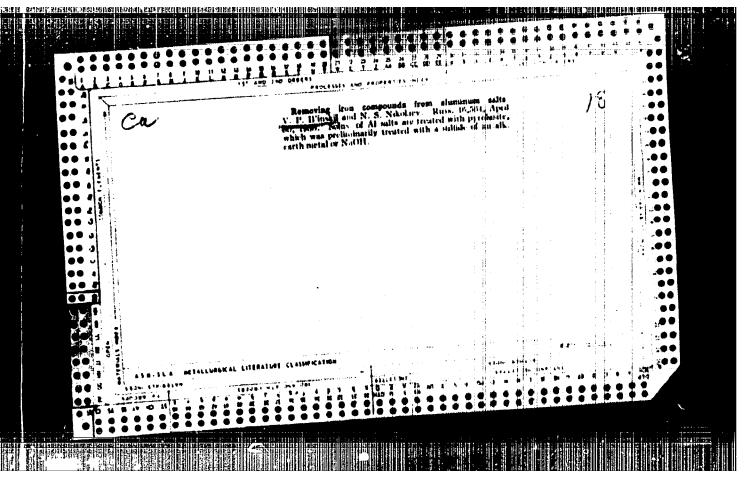
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

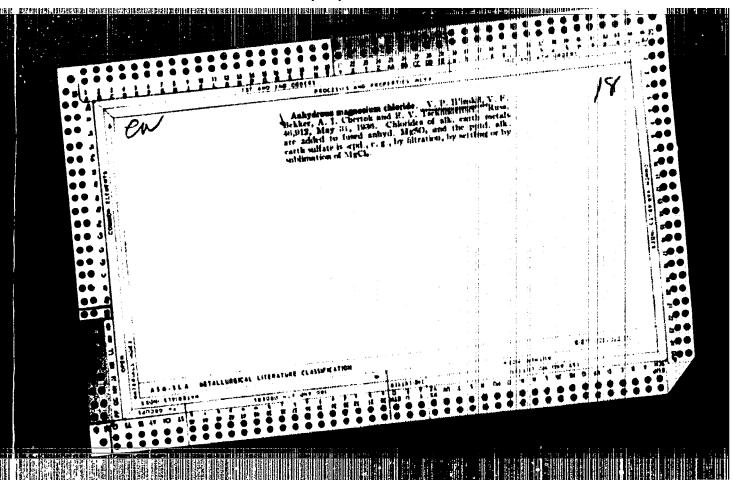


"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

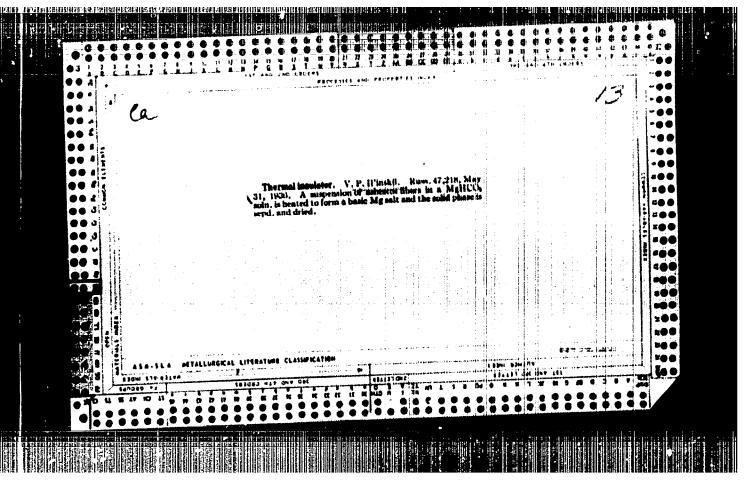


"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

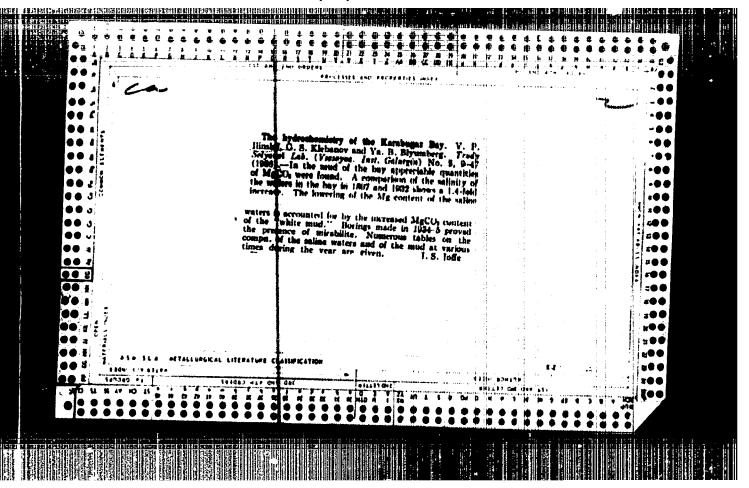




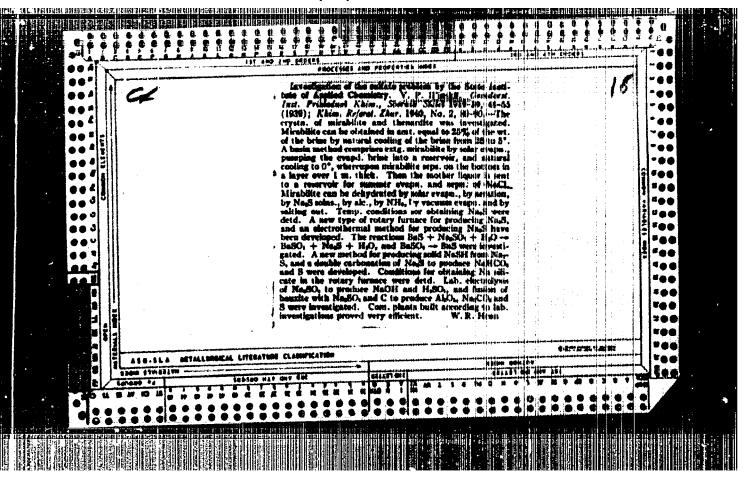
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

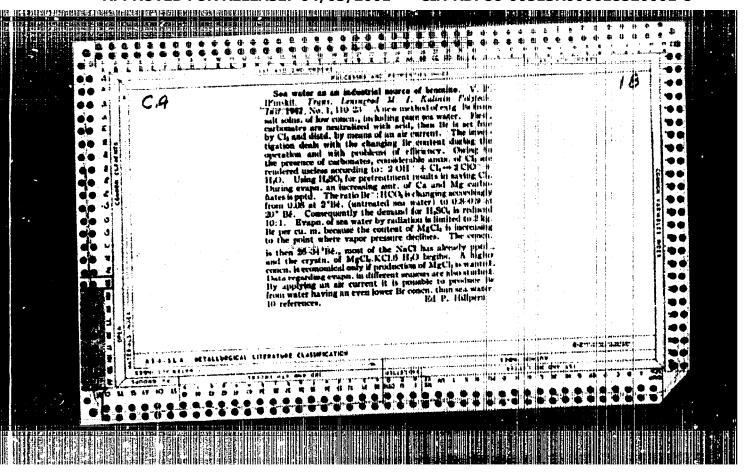


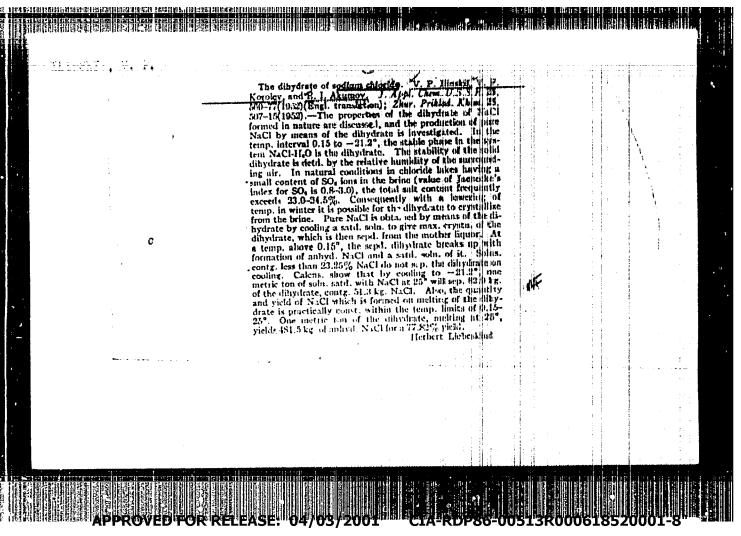
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

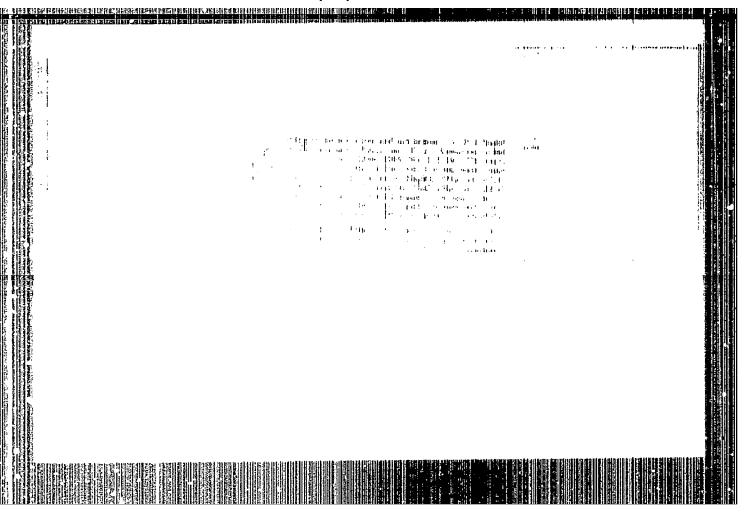


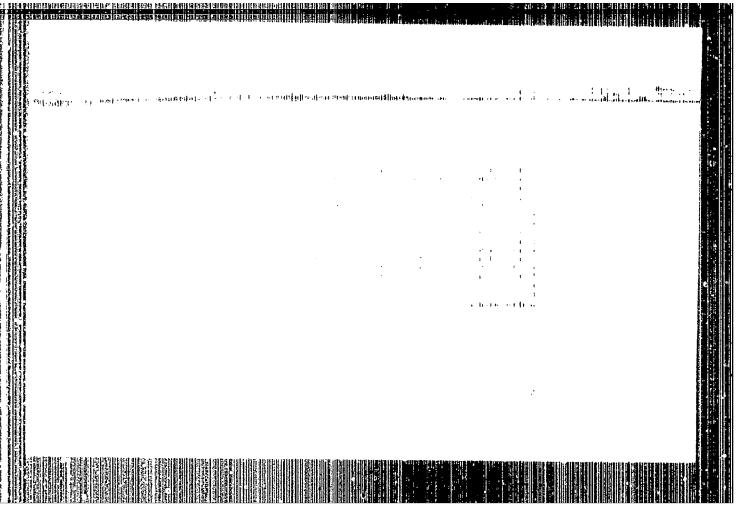
"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8

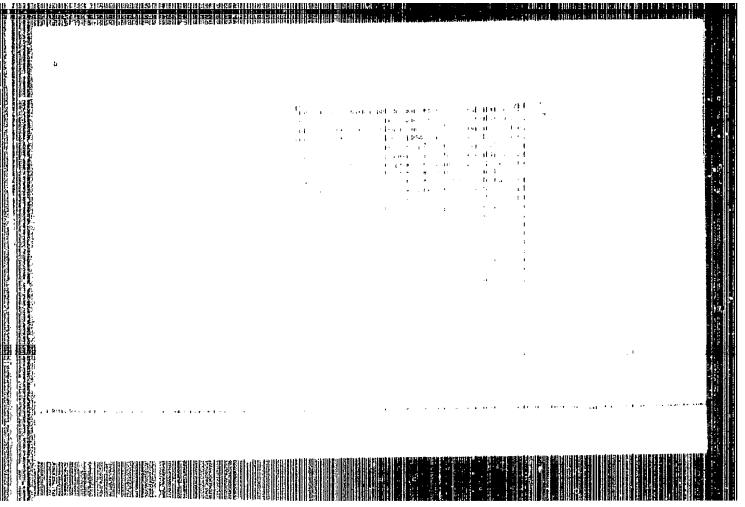




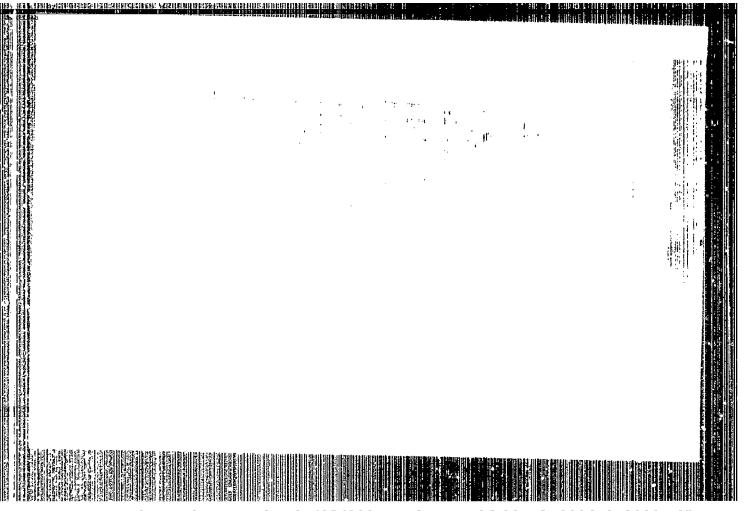








APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8"



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8"

SOV/81-59-16-57618

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 281 (USSR)

AUTHORS:

Il'inskiy, V.P., Boytsova, V.F.

ia presidente, a a maltrificato com mercos de probilitados fallar e do tatricom intertes il superior de la come

TITLE:

The Sorption of Bromine From a Bromine-Air Mixture by Sulfur Dioxide and the Reprocessing of the Obtained Mixture of Acids to Bro or HBr

PERIODICAL:

Sb. tr. Gos. in-ta prikl. khimii, 1958, Nr 41. pp 129-152

ABSTRACT:

The reaction of interaction of browine with SO₂ in the gaseous and liquid phases is studied and the necessary technological indices of the process are obtained. Methods for processing a mixture of HBr, HCl and H₂SO₄ acids to liquid browine or hydrobrowic and sulfaric acids have been developed. It has been shown that the reaction of interaction of Br₂ from a browine-air mixture with SO₂ at room temperature (1½ - 20°) proceeds quickly and completely at the stoichiometric ratio of Br₂ and SO₂. The sorption of Br₂ from a browine-air mixture by an aqueous solution of the mixture of the acids HBr+H₂SO₄ runs to completion, but the consumption of SO₂ is 30 - 35% higher than in the reaction in the gaseous phase. The reaction products are absorbed to 98 - 99% from the gaseous phase by sprinkling the absorption column with a mixture of acids. The concentration

of the HBr acid in the solution can be increased to 20% by means of the re-

Card 1/2

ADDDOVED FOR DELFACE. 04/03/3000

SCW/81-59-16-57618

The Sorption of Bromine From a Bromine-Air Mixture by Sulfur Dioxide and the Reprocessing of the Obtained Mixture of Acids to Br2 or HBr

circulation of the sorbent in the absorption tower. The vapor pressure of HBr + $\rm H_2SO_h$ over a mixture of HBr + H2SO4 acids for the temperatures 0.25 and 50°C is raised with an increase in the HBr and H2SO4 concentrations. The absorption coefficient of HBr and H2SO4, in the absorption by a mixture of acids, depends principally on the concentration of the sorbent, the temperature and the gas speed and does not depend on the concentration of HBr or Br₂ in the gaseous phase. The value of the absorption coefficient for the absorption of HBr at a temperature of 14 - 20°C varies from 37 to 40 m/hr and for HC1 from 12 to 17 m/hr. The oxidation of the acid mixture (HBr + HC1 + H2SO4) by chlorine to bromine proceeds practically to completion at the introduction of 1.05 - 1.1 chlorine equ. per 1 HBr equ. The distillation of bromine from the solution by steam proceeds to completion at a steam consumption of ~5 kg per 1 kg of bromine; bromine obtained in this way corresponds to the type "ch" (pure). The separation of the acid mixture (HBr + HCl + H₂SO₄) by means of distillation makes it possible to obtain HBr of 40% and H₂SO₄ of 70 - 80%. The yield of HBr in the form of a 40% solution is 90 - 95%.

V. Borisova.

Card 2/2

SOV/81-59-16-57619

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 281 (USSR)

AUTHORS: Illinskiy, V.P., Rusinova, K.D., Drozdova, Ye.G.

TITLE: The Extraction of Bromine by the Method of Air Description From High-Thermal

Waters

PERIODICAL: 3b. tr. Gos. in-ta prikl. khimii, 1958, Nr 41, pp 153 - 160

ABSTRACT: The oxidation of the Br-ion in drilling water by chlorine water and gaseous chlorine at an increased temperature (70°C) has been studied. The pressure of Br₂-vapor over Cheleken' drilling water at 65°C, the coefficient
of bromine distribution between the gaseous and liquid phases at 25, 40
and 65°C, and the coefficient of bromine description have been determined.

N. Shiryayeva.

Card 1/1

\$677/81-59-16-576120

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 281 (USSR)

Il'inskiy, V.P., Boytsova, V.F., Drozdova, Ye.O., Kuz'mina, N.P., Ri-**AUTHORS:**

sinova, K.D.

The Preparation of Dry Hydrogen Bromide TITLE:

PERIODICAL: Sb. tr. Gos. in-ta prikl. khimii, 1958, Nr 41, pp 161-170

Dry HBr is synthesized from bromine and H2 in the presence of the "BAU" coal at 600°C; the yield is 91 - 96%. A technological method of purify-ABSTRACT:

ing and drying HBr has been developed ensuring the preparation of a pro-

duct containing ~0.04% moisture and HoS traces.

N. Shiryayeva.

Card 1/1

APPROVED FOR RELEASE: 04/03/2001

SOV/81-59-16-57609

Translation from: Referativnyy zhurnal.. Khimiya, 1959, Nr 16, p 280 (USSR)

AUTHORS:

Il inskiy, V.P., Popova, A.V.

TITLE:

The Interaction of Chlorides of Alkali Metals With Hydrobromic Acid

PERIODICAL:

Sb. tr. Gos. in-ta prikl. khimii, 1958, Nr 41, pp 183-192

ABSTRACT:

A new more economic method for obtaining KBr and NaBr has been developed which is based on the interaction of the chlorides of alkali metals and the semi-finished product of bromine production, i.e. solutions of the mixture of the acids ${\rm HBr} + {\rm H}_2{\rm SO}_4 + {\rm H}_2{\rm O}$.

N. Shiryayeva.

Card 1/1

Ŧ)

APPROVED FOR RELEASE! "04/03/7001"

\$017/81-59-16-57625

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 282 (USSR)

AUTHORS: Il'inskiy, V.P., Seferovich, Ya.Ye., Uverskaya, A.T., Volnyanskaya, E.M. Vysnenkova, O.I.

TITLE: The Preparation of Crystalline Ferrous Bromide by the Sorption of Bromine

by a Ferrous Bromide Solution

PERIODICAL: Sb. tr. Gos. in-ta prikl. khimii, 1958, Nr 41, pp 193-209

ABSTRACT: Based on the data of the solubility in the system Felbra - H2O and thermo-

chemical calculations on the system FeBr2 - Br2 (gas) and FeBr3 - Fe, the possibility of obtaining FeBr2 without smoothing has been proved and

a method of production has been proposed.

N. Shiryayeva.

Card 1/1

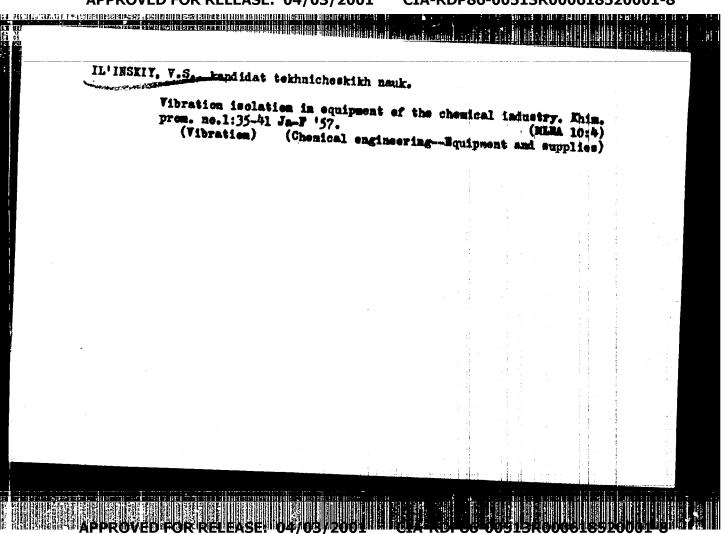
IL'INSKIY, V.P.; KOKOVKINA, L.I. Production of potassium and sodium iodides from chlorides and hydriodic acid. Ned. prom. 13 no.2:20-25 F 159. 1. Leningradskiy khimiko-farmatsevticheskiy institut. (ALKALI METAL IODIDES) (HYDRIODIC ACID)

		n: "Vibrati Cand Tech Moskva, Mos			ncustria f Chemic	il Asse Val Mac	emblie: Chino I	s ar Euild	the O	utset : 21 May	il Dyna 54	Inic
50:	3UM 284	, 25 Nov 19	54						i i			
•												
101 13 11 11 11 11 11 11 11 11 11 11 11 11				ran er en en en en en								

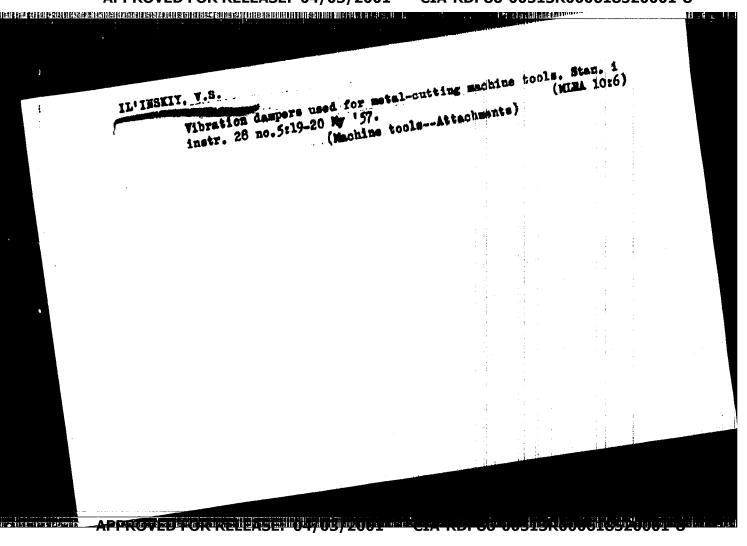
IL'INSKIY, V.S.

Protection of laboratory instruments and equipment from vibration.
Znv.lab.21 no.7:867-868 '55. (MIRA 8:10)

1. Manchno-issledovatel'skiy institut eksperimental'noy khirurgi-cheskoy apparatury i instruments) (Vibration)



Vibration absorbers for machi Mashinostroitel' no.2:31-32 F (MachineryVib	' '57.		equipment.		AEDI)	10:5)) .
(-monage					1 1 1 1		
					: : :	:	
•						<u> </u>	
					3		
				-			
				:		-	



117-58-6-16/56

AUTHOR:

Il'inskiy, V.S., Candidate of Technical Sciences

TITLE:

Devices for Mechanized Cutting, Welding, Soldering, and Metallization (Prisposobleniya dlya mekhanizirovannoy rezki,

svarki, payki i metallizatsii)

INTER SENTENCE PROPERTY OF THE RESERVE OF THE PROPERTY OF THE SENTENCE OF THE PROPERTY OF THE PROPERTY OF THE P

PERIODICAL:

Mashinostroitel', 1958, Nr 6, pp 27-28 (USSR)

ABSTRACT:

A device which permits the cutting, welding, soldering, and metallization of cylindrical surfaces, pipes, etc. (Figure 1) is described. The cylindrical surface is held by a roller chain. The spring and the rubber ring of the roller ensure an equal and smooth movement of the device on the cylindrical surface. Another device (Figure 2) is used for form-cutting at the junction of pipes with equal or different diameters, and even of pipes with various details, such as cones, balls, etc. The pipes may be connected at any angle by means of this device. At the same time, a part of the detail may be cut off and an opening made in the other. The cutting speed is regulated by changing the rpm of the drive. The device is of simple construction, light and exact. It was developed by the author. There are 2 figures.

AVAILABLE: Card 1/1

1. Machines-Design 2. Cutting tools 3. Welding 4. Soldering

80V/122+58-8-26/29

AUTHOR:

Ilinskiy, V.S., Candidate of Technical Sciences

TITIE:

A Mechanism for Impulsive Feeding of Wire in Apparatus for Welding, Cutting, Depositing, Metallising and Soldering (Mekhanizm impul'snoy podachi provoloki v apparatakh dlya svarki, reski, naplavki, metallizatsii i payki)

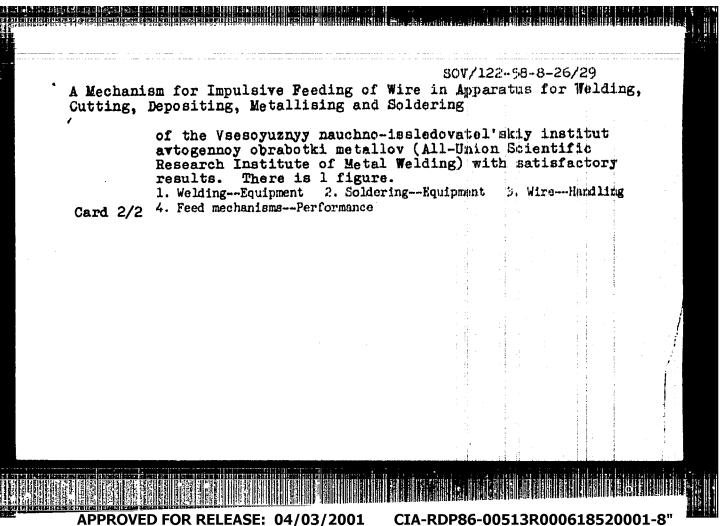
PERIODICAL: Vestnik mashinostroyeniya, 1958, Nr 8, pp 84-85 (USSR)

ABSTRACT: Continuous feeding of wire is said to require bulky mechanism. The impulse principle is claimed to accomplish the feeding with less power and so reduces the size of the mechanism, without impairing the uniformity required in practice owing to the high frequency of the impulses.

practice owing to the high frequency of the imputation of a rotating, eccentric reciprocates a hollow round slider, a rotating, eccentric reciprocates a hollow round slider, surrounding the wire. I balls inside the slider wedge the surrounding the wire. I balls inside the slider bore wire by pressing against a conical part of the slider bore when the slider moves forward and release the wire when the slider moves back. During the rearward stroke, the wire remains stationary because it is lightly clamped inside the exit nozzle. The wedging balls can be released by a push button. The rate of wire feed is varied by

changing the speed of the eccentric or the amount of eccentricity. Experimental units were made in the shops

Card1/2



SOV/135-59-1-7/18

AUTHOR:

Il'inskiy, V.S., Candidate of Technoial Sciences

TITLE:

The Optimum Technology of Oxygen Steel Cutting (Optimal'nyye rezhimy kislorodnoy rezki stali)

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 1, pp 22-24

(USSR)

ABSTRACT:

A series of experiments were carried out to find the optimum technology in oxygen dutting by determining the interdependence of prevalent parameters, such as oxygen consumption, pressure and density and metal thickness. Formulae were developed to compute the cutting rate, and a comparison of results obtained by calculation and experiments showed a satisfactory agreement.

Card 1/2

APPROVED FOR RELEASE: 04/03/2001

SOV/135-59-1-7/18

The Optimum Technology of Oxygen Steel Cutting

optimum parameters for cutting low-carbon steel are given. There are 6 graphs, 1 diagram and 2 tables.

Card 2/2

CIA-RDP86-00513R000618520001-8"

APPROVED FOR RELEASE: 04/03/2001

. ASE I DOOK EXPLOITATION SOV/4377

Il'inskiy, V. S.

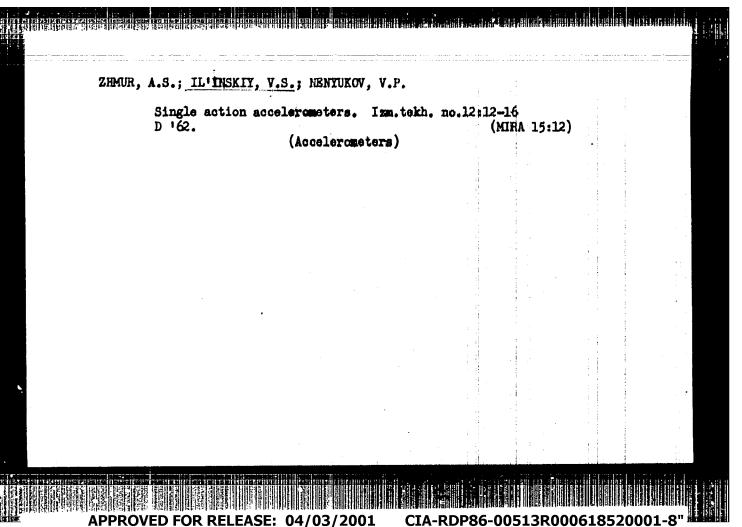
Voprosy izolyatsii vibratsii i udarov (Problems in the Isolation of Vibration and Shocks). Moscow, Izd-vo "Sovetskoye radio, 1960. 158 p. No. of copies printed not given.

Ed.: Yu. I. Sukhanov; Tech. Ed.: A. A. Sveshnikov.

PURPOSE: This book is intended for engineers designing radio equipment. It may also be used as a manual for designing vibration-insulating systems.

COVERAGE: The book discusses theoretical and practical problems in protecting various kinds of equipment against vibration and shocks. It deals with a number of currentlyused protecting devices and gives such practical details as the data needed to select protective elements for a given equipment. No personalities are mentioned. There are 29 references, 6 Soviet, 21 English and 2 German.

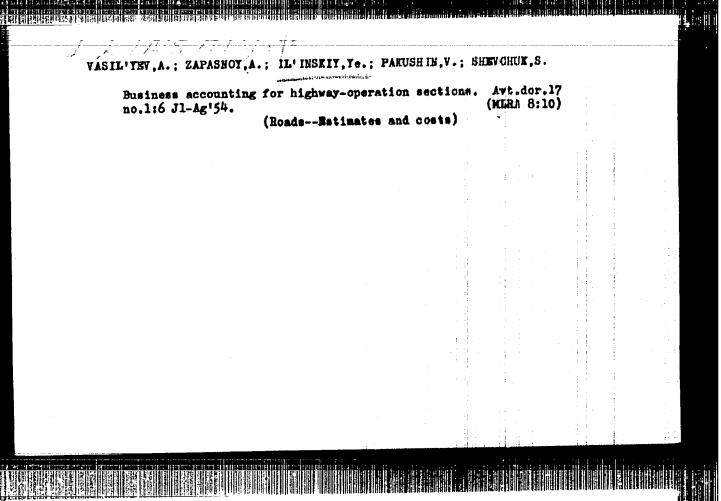
Card 1/4



IL'INSKIY, V. V.

"Investigation of the Effect of Water-Dissolved Air on Cavitation of Hydroturbines." Cand Tech Sci, Khar'kov Polytechnic Inst imeni V. I. Lenin, Min Higher Education USSR, Khar'kov, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).



Mar 1948

CIA-RDP86-00513R000618520001-8

IL'INSKIY, YE. M.

USSR/Mines

Mining Machinery

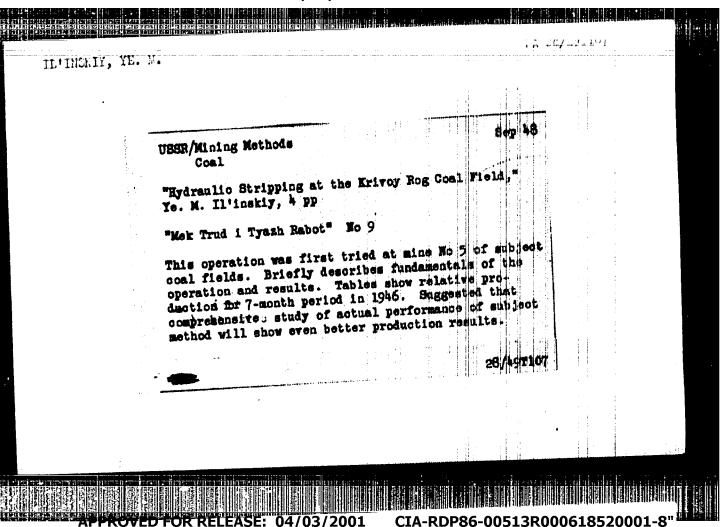
Mining Methods

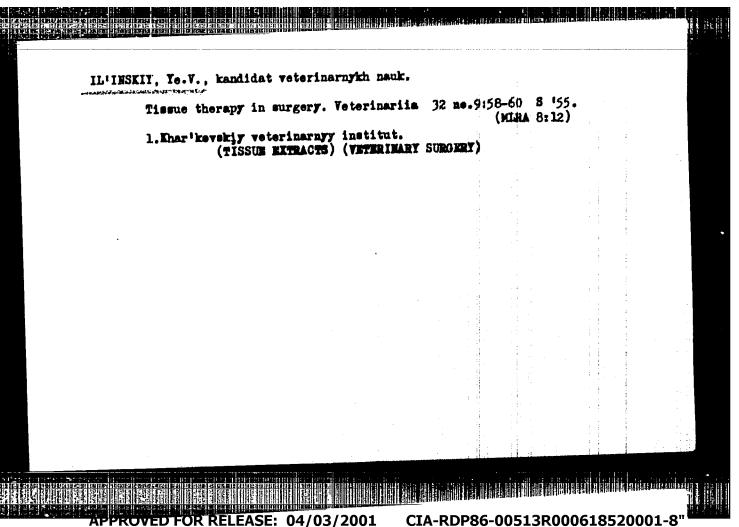
"Mining with Open Hoppers in the emir-Tau Mine and the Bol'shaym Gora Open-Cut Mine,"
G. A. Gavelich, Ye. M. Il'inskiy, Mining Engineers, 22 pp

"Gornyy Zhur" No 3

Describes in detail the accumulative extraction method of mining used in the Temir-Tau magnetite mine and the Bol'shaya Gora open-cut dolomite mine, and explain the open-hopper systems with aid of diagrams.

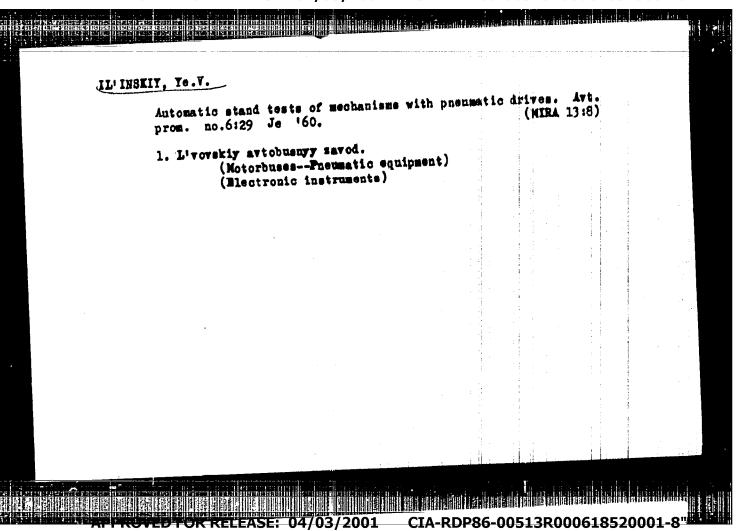
PA 51T68





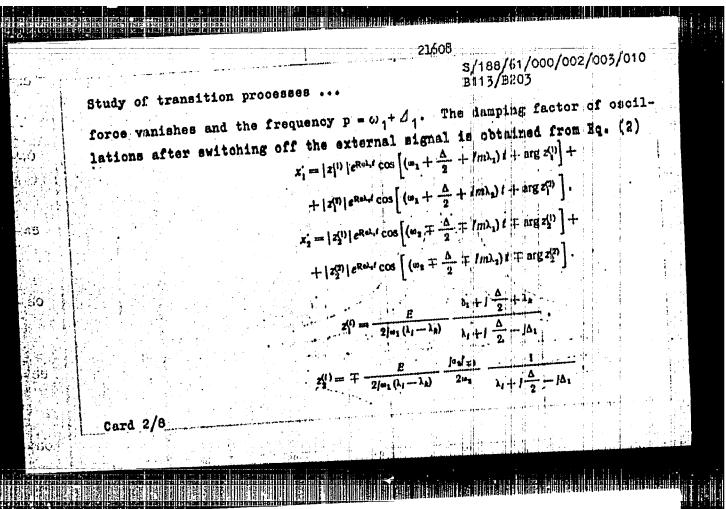
USSR / General Problems of Pathology. Transplantation of Tissues and Tissue Therapy. Abs Jour: Ref Zhur-Biol., No 15, 1958, 70737. : Novocherkassk Zootechnical-Veterinary Institute. : Illinskiy You V. Author : Comparative Evaluation of Certain Nethods in Inst Title Tissue Therapy. Orig Pub: Tr. Novockerkasskogo zootekhnavet in-ta, 1957, vyp 10, 371-374. Abstract: Various methods of tissue therapy were used in the treatment of the following: 54 horses with purulent necrosis in the withers region; 73 animals (horses, large horned cattle, dogs and cats) with eye diseases; 81 animals with ulcers; 40 cows with chronic purulent-catarrhal endometritis. The treatment included: 1. implantation of tissues preserved according to Filatov or treated with a two percent solu-Card 1/2

CIA-RDP86-00513R000618520001-8"



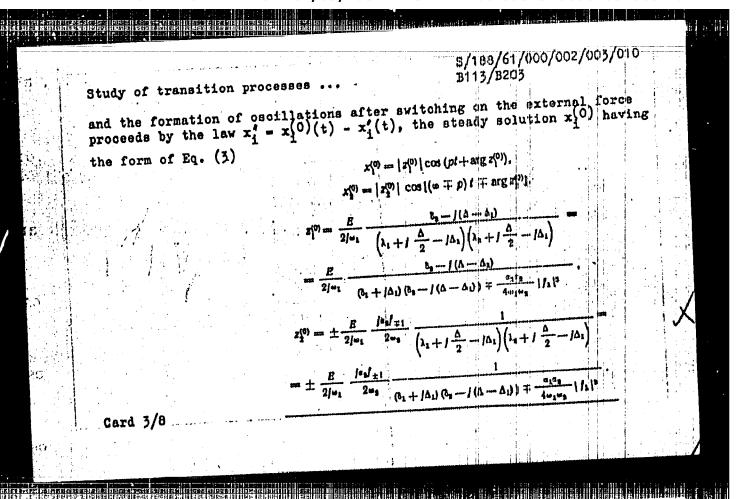
3/188/61/000/002/003/010 B115/B203 9,2572 Il'inskiy, Yu.A., Karasev, M.D. Study of transition processes in a two-circuit parametric AUTHORS: transformer with sum and difference output frequency TITLE: Beriya 3, fizika, Vestnik Moskovskogo universiteta. astronomiya, no. 2, 1961, 12 - 18 PERIODICAL: TEXT: First, the authors analyze the transition processes. According to Ref. 1 (Karasev, M.D. UFN, LXIX, vyp. 2, 1959), a two-directit parametric transformer can be described by a system of equations, The frequency of the Eq. (1) $\ddot{x}_{i} + \omega_{i}^{2}x_{i} = 2\delta_{i}x_{i} + \alpha_{i}f(ut)(x_{1} + x_{2}) + \theta_{i}$ parametric change ω by the relation ω=ω+ω+ Δ is related to the circuit frequencies. The upper sign holds for a rotating (difference) the lower one for a non-rotating (sum) modulator; A is a slight mistuning. The external force is supposed to be introduced in one circuit only so that the slowly variable, complex amplitude E2 of the external Card 1/8

CIA-RDP86-00513R000618520001-8



CIA-RDP86-00513R000618520001-8'

CIA-RDP86-00513R000618520001-8



5/188/61/000/002/003/010 B113/B203 Study of transition processes ... The trajectories of the roots $\lambda_{1,2}$ characteristic of transition processes and steady behavior having the form of Eq. (A) by the Fourier expansion of the function f(wt) = \(\subseteq \text{f}_k \text{e}^{i \omega kt} \), are shown in Figs. 1 and 2 in the complex plane with a change in the parameter Δ and -|f1|2. The trajectories of λ_2 are on the left, those of the trajectories of the rotating modulator. N on the right of are within $-\delta_2$ and $-\delta_1$, those of a non-rotating modulator are without. the basis of Eq. (2) and Eq. (3) and Figs. 1 and 2, the following has been found: In a rotating modulator, the transition process is the num of two damped harmonic oscillations (with switched-off external signal), or the sum of two damped and one steady oscillation (with switched-on exter-Card 4/8

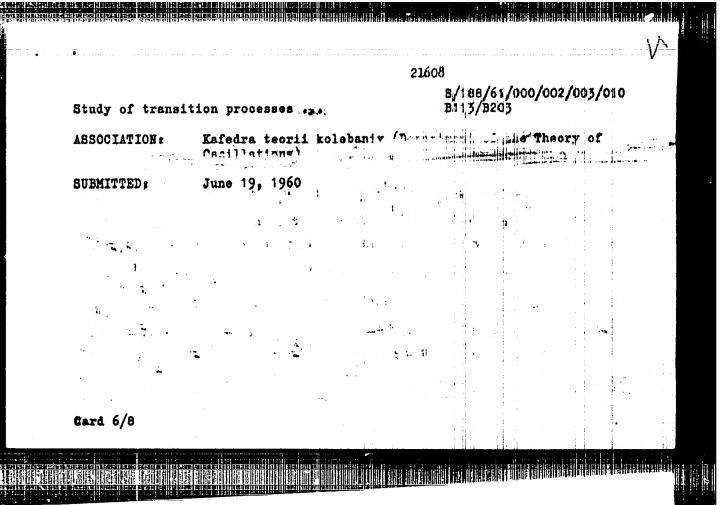
21608 B/188/61/000/002/003/010 B113/B#03

Study of transition processes

nal force). For a non-rotating modulator, it follows from Eq. (3), that the frequency characteristic of the amplifier is represented by the product of the frequency characteristics of individual circuits. Experiments dealt with a low-frequency parametric transformer with circuit frequencies of about 100 and 400 kc/sec. In conformity with Eq. (2), the transition processes had two constant times, and pulsations in the transition processes were observed in the case of mistuning. Further, it was found that the duration of the transition process, in the case of large K, was proportional to K (K being the voltage amplification factor in the first circuit of a regenerative transformer). The duration of the transition process was the time during which the oscillation amplitude attained the (1 - e-1)-fold of its steady value. In a non-rotating modulator, the duration of the transition process dropped monotonically with increasing k in both circuits. The time of formation in the second dimouit was slightly longer than in the first one due to a slow increase of oscillations in the second circuit at the beginning of the formation process. There are 6 figures and 1 Soviet-bloc reference.

Card 5/8

APPROVED FOR RELEASE: 04/03/2001



8/188/61/000/006/001/007 B108/1138

9,2572

Il'inskiy, Yu. A., Karasev, M. D. AUTHORS:

Double-tuned parametric oscillator with external feed TITLE:

PERIODICAL: Moscow Universitet. Vestnik. Seriya III. Fizika,

astronomiya, no. 6, 1961, 3 - 11

TEXT: A double-tuned parametric amplifier operates as an oscillator if the feed amplitude is high enough. A self-excited oscillator whose amplitude is elimited by a non-linear resistor in one of its circuits is considered. Synchronization of the oscillator with an external force is also dealt with. In experimental investigations, the authors used a parametric oscillator with frequencies of 100 and 400 keps in the two circuits, with semiconducting diodes of the types ДГЦ-27 (DGTs-27) and Д809 (D809) serving as nonlinear capacity. It was found that the amplitude is limited either by a nonlinear resistance or by a dependence of the parametric connection between the circuits on amplitude fluctuations. Perturbations that are due to the nonlinear reactance lead to &

Card 1/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R00061852000

bouble-tuned parametric...

S/188/51/00D/006/001/007 B108/B138

distortion of the amplitude-frequency characteristics. An external force produces the same synchronization and beat phenomena as in a tube generator. In the r.f.-range, calculated and experimental results are entirely consistent. There are 6 figures and 6 Soviet references.

ASSOCIATION: Kafedra teorii kolebaniy (Department of the Theory of Oscillations)

SUBMITTED: January 30, 1961

Card 2/2

24405

9.2572

S/109/61/006/008/015/018 D207/D304

AUTHORS:

Il'inskiy, Yu.A., and Karasev, M.D.

TITLE:

Transients in a two circuit parametric amplifier

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 8, 1961, 1397 - 1400

TEXT: The authors give a short report on the theoretical and experimental analysis of transients in a two circuit parametric amplifier. The theoretical analysis is carried out assuming a small signal. The equivalent cats of two circuit parametric amplifiers are shown in Fig. 1. These are systems with two degrees of freedom and with periodically varying reactive element. The equations for the above systems may be written as

 $\ddot{x}_i + \omega_i^2 x_i = \mu \left(-2 \delta_i \dot{x}_i + \alpha_i f(\omega_i) (x_1 + x_2) + \epsilon_i \right).$

where i = 1, 2 the index related to either the first or the second

Card 1/7

441

APPROVED FOR RELEASE: 04/03/2001 C

CIA-RDP86-00513R000618520001-8'

(1)

Transients in a two circuit ...

S/109/61/006/008/015/018 D207/D304

circuit; e_1 - external driving force: $e_2 = 0$; μ - a small parameter; σ - attenuation of the i-th circuit; f - a periodic function with period 2; ω - the frequency of change of the parameter. It are assumed to be small, so that the cct attenuation and modulation depth parametric coupling weak; oscillations in the system are very near solved by one of the quasi-linear methods, e.g. by averaging. Eq. (1) is first reduced to standard form by assuming ω = ω_1 + ω_2 and putting

 $x_1 = Z_1^i e^{j\omega_1 t} + Z_{-1}^i e^{-j\omega_1 t}, x_1 = j\omega_1(Z_1^i e^{j\omega_1 t} - Z_{-1}^i e^{-j\omega_1 t}),$ where $i = 1, 2; Z_{-1}^i = Z_1^i * - complex amplitudes, so that after averaging the shortened form$

Card 2/7

S/109/61/006/008/015/018, D207/D304

Transients in a two circuit ...

$$\dot{z}_{1} = \mu \left\{ - \left(S_{1} + j \Delta_{1} + \frac{j \alpha_{1} f_{0}}{2 \omega_{1}} \right) z_{1} - \frac{j \alpha_{1} f_{1}}{2 \omega_{1}} z_{-2} + \frac{E}{2 j \omega_{1}} \right\}, \quad \dot{z}_{-2} = \mu \left\{ - \left(\delta_{2} - j \Delta_{2} - \frac{j \alpha_{2} f_{0}}{2 \omega_{2}} \right) z_{-2} + \frac{j \alpha_{2} f_{-1}}{2 \omega_{2}} z_{1} \right\}$$

is obtained where f_0 , f_1 , f_{-1} - the Fourier coefficients of function $f(\omega t)$

$$f(\omega t) = \sum_{k=-\infty}^{k=+\infty} f_k e^{j\omega kt}$$
.

It is assumed further that $f_0 = 0$ since

$$\triangle_{1} = \triangle_{1} + \frac{\alpha_{1} f_{0}}{2\omega_{1}}$$

Card 3/7

Transients in a two circuit ...

8/109/61/006/008/015/018 D207/D304

can be introduced and the detuning due to the constant component of coupling thus taken into account, the solution of linear equations (2) with constant coefficients is easily found for any external force E and any initial conditions. E.g. the transient state can be determined, i.e. the presence of oscillations in the system; when E = constant and initial condition $Z_1(0) = 0$ the equations have then the shape of matrix

Its solution, satisfying the initial conditions Z(0) # 0 is

$$Z = \int_{1}^{1} e^{A(t-s)} B(s) ds = \frac{1}{\mu^{2} (\lambda_{1} - \lambda_{1})} \left\{ \frac{1 - e^{\mu \lambda_{1} t}}{\lambda_{1}} \left[AB - \lambda_{2} B \right] - \frac{1 - e^{\mu \lambda_{2} t}}{\lambda_{2}} \left[AB - \lambda_{2} B \right] \right\}$$

$$(3)$$

Card 4/7

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618520001-8

24895

Transients in a two circuit ...

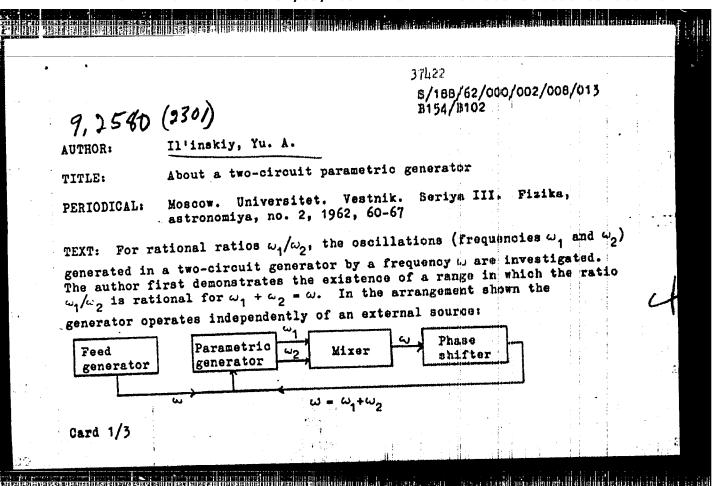
S/109/61/006/008/015/018 D207/D304

It follows that in a two circuit parametric amplifier the time of establishment of the steady state does not depend on the relationship between the phase of the suddenly applied signal and the phase of palsed variation of the parameter; that at optimum tuning (Δ_1 = Δ_2 = 0) the characteristic roots are real. With f_1 = 0 (ad varying parameter) these are essentially equal to $-\delta_1$ and $-\delta_2$ and diverge symmetrically with respect to the centre of $(+\delta_2, -\delta_1)$ with increasing $/f_1$. When the smaller of the roots (absolute value) reaches zero the system becomes self oscillating. When this root assumes smaller absolute values then the duration of the transient process increases. Finally with the detuning of the cots (Δ_1 or $\Delta_2 \neq 0$), then Im $\lambda_{1,2} \neq 0$ and the transient contains damped oscillations. The theory was experimentally applied to a balanced parametric amplifier with its first cot tuned to 100 Kg/s and its semicontains amplifier with its first cot tuned to 100 Kg/s and its semicontains applied to a palanced parametric amplifier with its first cot tuned to 100 Kg/s and its semicontains applied to a palanced parametric amplifier with its first cot tuned to 100 Kg/s and its semicontains applied to a palanced parametric amplifier with its first cot tuned to 100 Kg/s and its semicontains applied to a palanced parametric amplifier with its first cot tuned to 100 Kg/s and its semicontains applied to a palanced parameter.

Uard 5/7

APPROVED FOR RELEASE: 04/03/2001 CI

CIA-RDP86-00513R000618520001-8"



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618520001-8

B/188/62/000/002/008/013 B154/B102

About a two-circuit parametric ...

When the relation between the natural frequencies win and wood of the circuits is $\omega_{20} \approx n\omega_{10}$, the oscillations can be synchronised by a single external voltage, since also the phases are related by n. The frequency of this synchronizing voltage has to be close to the natural frequency of one of the circuits. Measurements of the amplitude Eq of the synchronizing voltage made at $\omega_{20} \approx 3\omega_{10}$ and 102.3 km $= \frac{\omega_0}{2\pi} = 103.2$ km show that the frequencies ω_1 and ω_2 are synchronized $(\omega_2 + 3\omega_1)$. case the range of synchronization virtually does not depend on E1, because it is determined by the oscillations themselves and the oscillations essentially do not depend on the synchronizing voltage. Influences on the oscillations by the synchronizing voltage and an expansion of the synchronization band with increasing E1 were only observed in a few cases. The investigations show that a generator with external excitation can be used as an effective frequency splitter. band width is maximum if the quality factors of the pircults are simost equal. There are 9 figures.

Card 2/3

135

50

ADDDOVED FOR DELEACE, 04/02/2001

CIA-RDP86-00513R000618520001-2

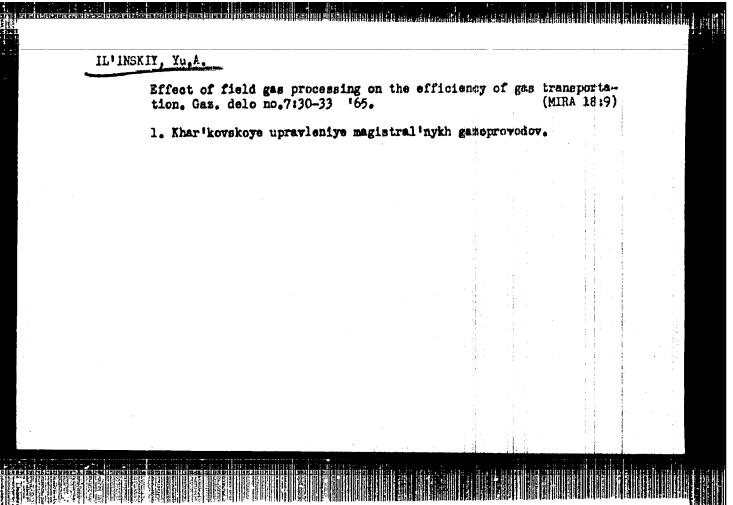
About a two-circuit parametric ... \$\frac{\\$5/62/000/002/008/013}{\\$B154/\\$B102}\$

ASSOCIATION: Kafedra teorii kolebaniy, Moskovskiy universitet (Department for the Theory of Oscillations, Moscow University)

SUBMITTED: July 3, 1961

Card 3/3

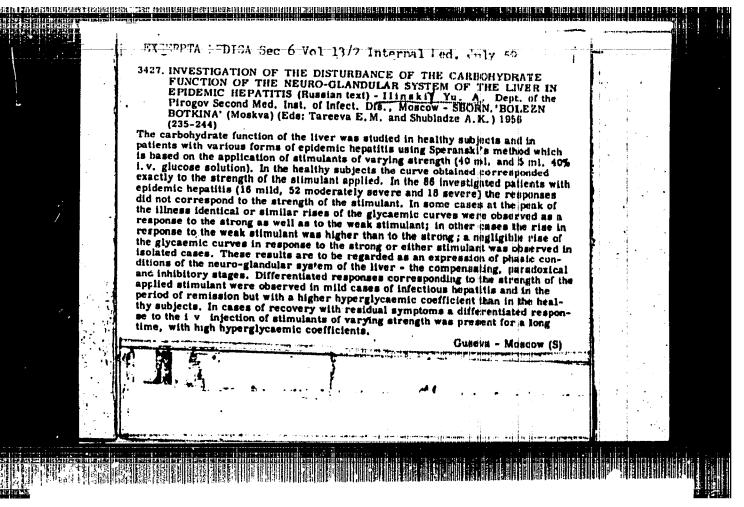
30



IL' INSKIY, Yu.A.

Clinical aspects and therapy of protosan colitis. Klim. med., Moskva 31 no.6:63-68 June 1953. (CLML 25:1)

1. Sixth Course Therapeutic Faculty Student. 2. Of the Clinic for Infectious Diseases (Director -- Prof. A. F. Bilibin), Second Moscow Medical Institute imeni I. V. Stalin.



E

USSR/Virology - Viruses of Man and Animals.

Viruses of Hepatitis.

Abs Jour : Ref Zhur Diol., No 6, 1959, 23890

Author : Il'inskiy, Yu.A.

Inst : Moscow Medical Institute

Title : Some Colloid Reactions of the Blood in Botkin's Disease

Orig Pub : Uch. zop. 2-y Mosk. med. in-t, 1957, 7, 53-57

Abstract : No abstract.

Card 1/1

KRASHOOLOVETS, V.N.; IL'INSKIT, Ju.A. Colimycin and mycerin therapy of acute dysentery [with summary in English]. Antiblotiki 3 no.6:102-107 N-D '58, (MIRA 12:2) 1. Klinika infektsionnyth bolesmey (sav. - chlm-korrespondent ANN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova. (DYSMITHY, BACILLARY, ther. celimycin & mycerin (Rus) (ANTIBIOTICS, ther. use, colimycin & mycerin in dysentery (Rus))

APPROVED FOR RELEASE: 04/03/2001

IL'INSKIY, Yu.A. (Hoskva)

Pneumonia in ornithosis. Klin.med. no.12:96-59 '61.

(MIRA 15:9)

1. Iz kafedry infektsionnykh bolezney (zav. - deystvitel'nyy chlen AMN SSSR prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(PREUMONIA)

(ORNITHOSIS)

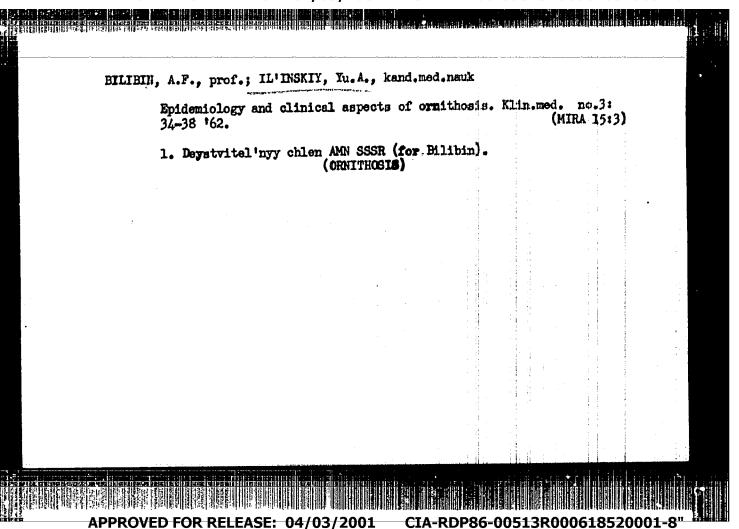
IL'INSKIY, Yu.A.; MARKOVA, Ye.A. (Moskva)

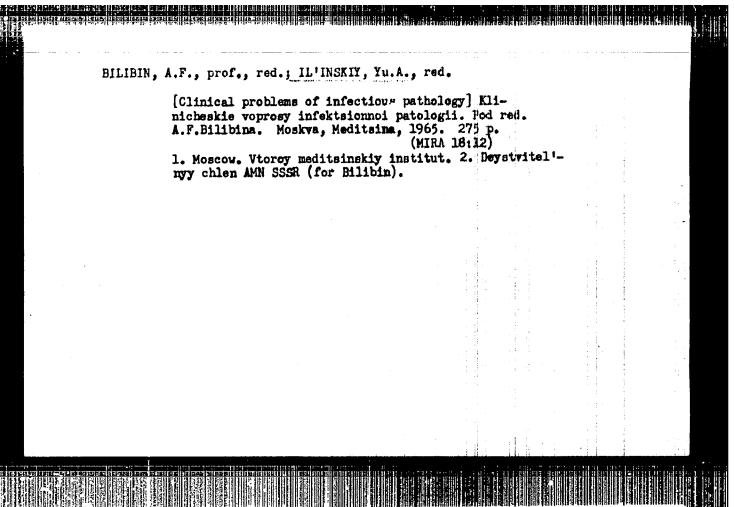
Porms fruste of Botkin's disease. Klin.med. 39 no.3:46-50
Mr '61.

1. Is kliniki infektsionnykh bolempy (dir. - deystvitel'myy ohlen AMN SSSR prof. A.F. Hilibin) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(HEPATITIS, INFECTIOUS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R0000





IL'INSKIY, YU. A.

USSR/Medicine - Therapeutic Sleep, Narcosis

o karalogananana menkelingan kembantukan mentukan minantungkan militurpah minituran dalbas sa a seb

Jull/Aug 51

"Treatment With Prolonged Sleep Brought About by Introducing Entravenously an Alcohol-Containing Solution By the Continuous Drip Method," O. V. Kerbikov, Ee. S. Zorina, Yu. A. Il'inskiy

"Newropatol i Psikhiat" Vol XX, No 4, pp 38-40

Describes clinical aspects of treating psychopathic patients by intravenous introduction of ale and technique of introducing a narcotic mix which has the following compn: sodium chloride 4.0, calcium chloride 1.0, glucose 25.0, distilled ale 60.0-120.0, distilled water up to 500.0

198758

IL'INSKIY, YU. A.

KERBIKOV, O. V., ZORINA, YE. S., IL'INSKIY, YU. A.

Blood - Analysis and Chemistry

Concerning Prof. Ye. Yu. Karu's remarks "On the determination of algohol in the blood by the Vidmark method." Zhur. nevr. i psikh. 52, no. 3, March 1952.

Monthly List of Russian Accessions, Library Of Congress, August, 1952. Unclassified?

CIA-RDP86-00513R000618520001-8"

IL'INSKIY, Yu. A.

"Clinicoexperimental Data Concerning the Development of One of the Sleep Therapy Methods (The Treatment of Psychotic Patients by Prolonged Sleep Produced by the Intravenous Drip of an Alcohol-Containing Solution)." Cand Med Sci, Moscow State Medical Inst, Moscow, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

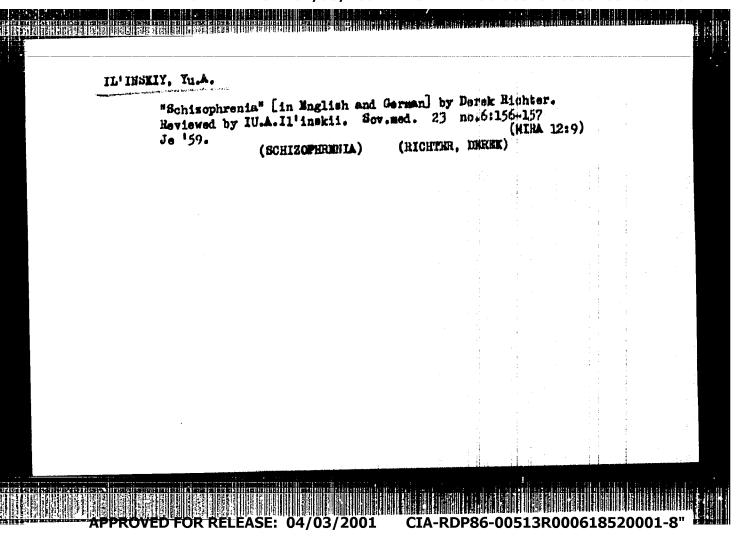
ZHARIKOV, N.M.; IL' IMSKIY, Yu.A.; KERBIKOV, O.V.; MATVHYETS, L.S. Data on immunological reactivity in schizophrenia. Zhir.nevr. i psikh. (MERA 9:11) 1. Kafedra psikhiatrii II Moskovskogo meditsinskogo instituta (mav. prof. O.V.Kerbikov) i laboratoriya tulyaremii (mav. -- prof. E.G. Olsuf'yev) Instituta epidemiologii i mikrobiologii imeni M.F. Gamalei AMN SSSR, Moskva. (SCHIZOPHRENIA, immunology. (Rus))

ROVED FOR RELEASE: 04/03/2001

Struggle against refusal of food and emeciation in psychiatric patients. Zhur.nevr. i psikh. Supplement:91-92 '57. (MIRA 11:1)

1. Kafedra psikhistrii (sav. - prof. O.V.Karbikov) II Moskovskogo meditsinskogo institute imeni I.V.Stelina.
(PSYCHOSES) (APPERITE) (ALCOHOL-THERAPHUTIC USE)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520001-8"



IL'INSKIY, Yu.A.; EULIKOV, L.S.

Immunological reactivity of mental patients following therapy with aminasine, insulin, and other methods [with summary in French]. Zhur.nevr. i psikh. 59 no.2:156-159 '59.

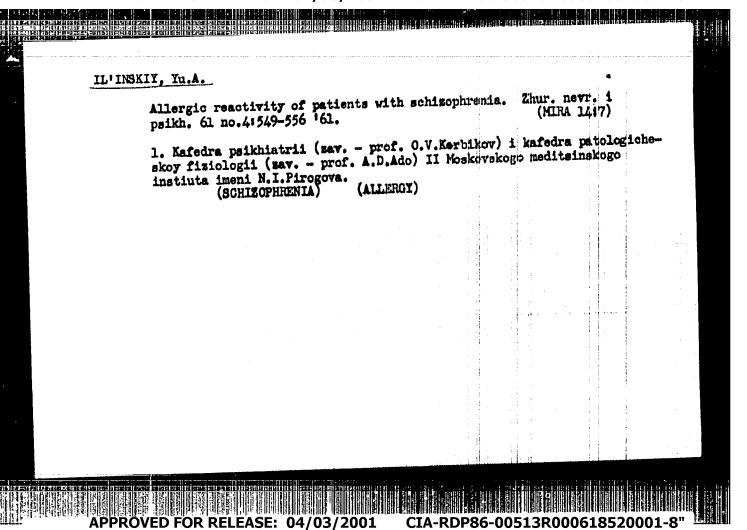
1. Kafedra psikhiatrii (sav. - prof. O.V. Kerbikov) IX Moskovskogo meditsinskogo instituta in. N.I. Pirogova.

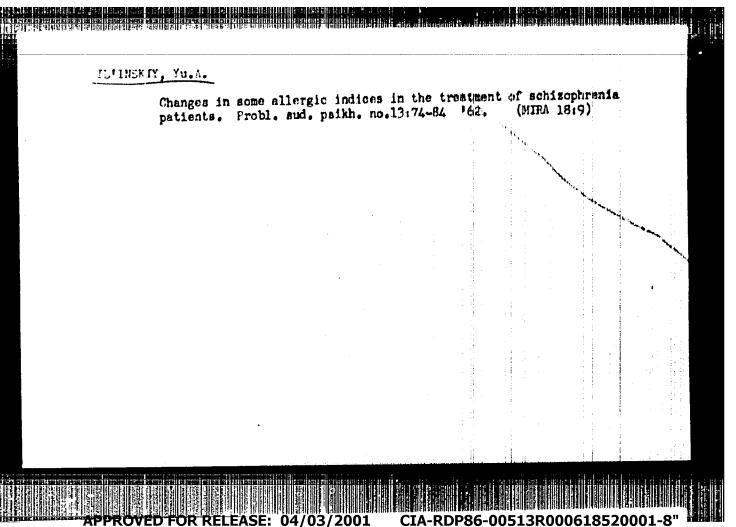
(MENTAL DISCREES)

eff. of ther. (Rus))

OR RELEASE: 04/03/2001

CIA-RDP86-00513R000618520001-8"





IL'INSKIY, Yu.A., kand. med. nauk

Antistaphylococcal immunity in schizophrenia. Vrach. delo no.11:
79-82 N'63

1. Kafedra psikhiatrii (zav. - deystvitel'nyy chlem AMN SSSR, prof. O.V.Kerbikov) 2-go Moskovskogo instituta.

IL'INSKIY, Yu.A. Immunological reactivity of patients with schizophrenia during reserpine treatment. Vest. AMN SSSR 17 no.1143-51 '62. (MIRA 15:3) 1. Is kafedry psikhiatrii (sav. - chlen-korrespondent AMN SSSR prof. 0.V. Kerbikov) II Moskovskogo meditainskogo instituta imeni N.I. Pirogova. (RESERPINE) (SCHIZOPHRENIA) (IMMUNOLOGI)

CIA-RDP86-00513R000618520001-8'

ROVED FOR RELEASE: 04/03/2001

SOV/78-5-1-2/45 Shohukarev, S. A., Oranskaya, K. A., Tolmacheva, T. A. 5 (2), 5 (4) AUTHORS: Illinskiy, Yu. S. Thermal Dissociation of Vanadium Dichlogide TITLE: Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 1, pp 8 - 11 PERIODICAL: (USSR) Publications give different data for the formation enthalpy AH of VCl2. The authors report on their indirect determination of ABSTRACT: AH by investigation of the equilibrium of VCl2 reduction by means of H at 750°, 775°, 800°, and 825°. The method is described in references 9,10. The experiments lasted for 100-200 hours Table 1 shows the values of the dissociation pressure of VCl2. Figure 1 shows the linear dependence of $\lg p_{Cl.}$ on $\frac{1}{T}$. The computed values of the formation enthalpy AH and of the absolute entropy AS are shown in table 2. The value found for AH is in good agreement with that assumed by the U.S.A. Bureau of Standards. Figure 2 and table 3 show the opposite behavior of Card 1/2

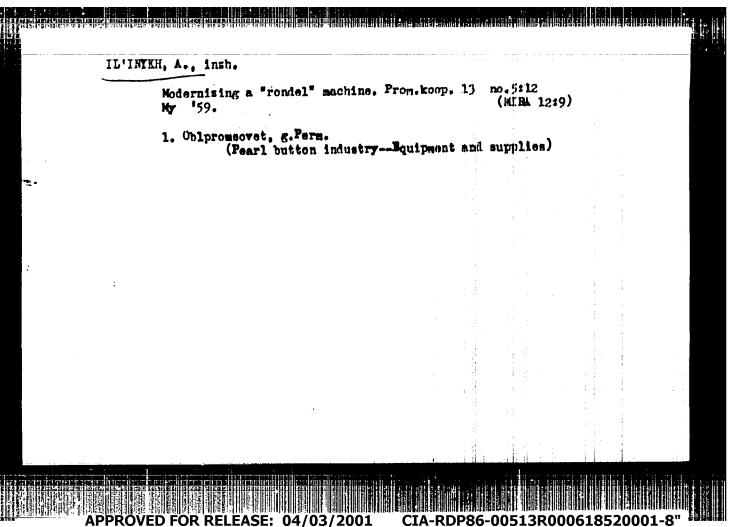
APPROVED FOR RELEASE: 04/03/2001

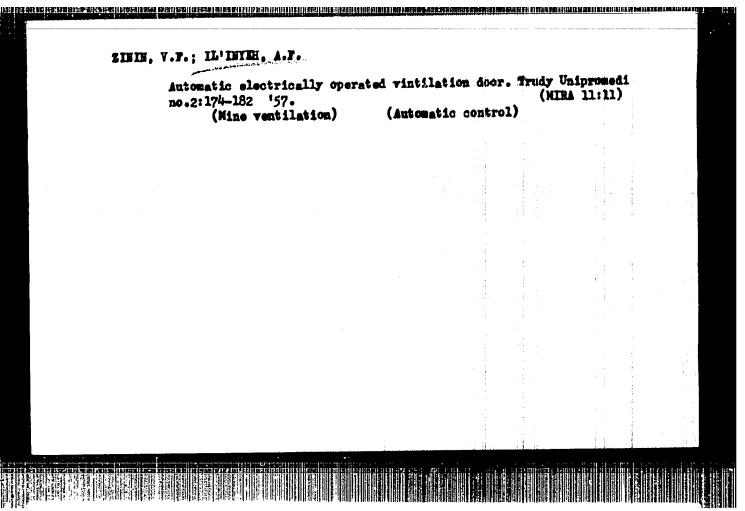
Thermal Dissociation of Vanadium Dichloride

the dissociation enthalpy on the one hand and of the sum of the two ionization potentials and the sublimation energy on the other hand in the case of elements with the abomic numbers 21 - 30. There are 2 figures, 3 tables, and 18 references, 9 of which are Soviet.

SURMITTED: October 27, 1958

Card 2/2





PFTROV, I.P., dotsent, IL'INYXH, A.F., inzh.

Multichannel TU-TS system with polarity-amplitude block selection. Izv.vys.ucheb.zav.; gor.shur. no.4:£1-86 '59.

(HRA 13:5)

1. Sverdlovskiy gornyy institut imeni V.V.Valchrusheva.
Rekomendovana kafedroy gornoy elektrotekhniki.

(Mine communications)

(Remote control)

(Telemetering)

IL'INYKH, A.F., inzh.

Selection of an efficient TU-TS system for remote control of substations. Isv.vys.ucheb.mav.; gor.mhur. no.3:133-138 '61.

(MRA 15:4)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva; rekomendovana kafedroy obshchey elektrotekhniki Sverdlovskogo gornogo instituta.

(Mine communications) (Remote control)

APPROVED FOR RELEASE: 04/03/2001

ARSHINSKIY, V.M.; BAGAUTINOV, G.A.; BESPALOV, M.V.; GASPARDWICH, P.I.;

COLOMIDOV, I.N.; COLUBOV, G.B.; GRIN, L.T.; ZEL'SKIY, S.A.;

LL'INYKH, A.F.; KOZIN, V.Z.; KRYUKOV, V.P.; KULAKOV, S.N.;

LUKAS, V.A.; MINEYEV, V.A.; PETROV, YU.S.; PIRUSHKO, M.G.;

PROKOF'YEV, Ye.V.; REBETS, B.A.; STARTSEV, N.V.; TROP, A.Ye.,

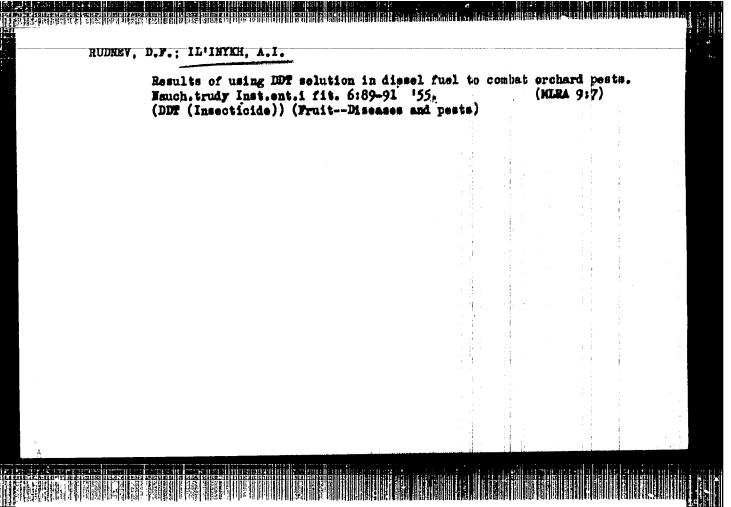
prof.; KHRAMOV, V.A.; AHRAMOV, V.I., otv. red.; PROZOROVSKAYA,

V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on electric equipment for mines] Spravocknik gorno
go elektrotekhnika. Pod obehchei red. A.E.Tropa. Moskva,

Gosgortekhizdat, 1962. 400 p. (MIFA 16:5)

(Electricity in mining)



IL'INYKH, A.P.

Effect of ACTH and cortisons on the blood serum proteins and soluble liver proteins in experimental tuberculcular. Proble tub. 42 no.10:69-74 '64. (MERA 18:11)

1. Biokhimicheskaya laboratoriya (rukovoditel' -- dotsent V.A. Shcherbatskaya) Sverdlovskogo nauchno-issledovatel skogo instituta tuberkulesa (direktor -- prof. I.A. Shaklein).

IL'INYKH, A.P.

Liver proteins in the development of tuberoulouis in rabbits. Pat. fiziol. i eksp. terap. 8 no.1:40-43 Ja-F '64.

(MIRA 1812)

1. Biokhimicheskaya laboratoriya "rukovoditel" V.A. Bhcherbatskaya) Sverdlovskogo nauchno-issledovatel skogo instituta tuberkuleza (dir.-prof. I.A. Shaklein) Ministerstva zdravookhranqniya RSFSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618520